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Department of Computer Science & Engineering
School of Engineering Sciences & Technology
Odd Semester Examination 2023
Supplementary/Improvement

Paper Name: Engineering Graphics & Design

Paper Code: BTCSE /BTCSE AI/BTECE 104

Time: 2.5 Hours

Maximum Marks: 60

IMPORANT INTSTRUCTIONS

- (i) Read the instructions and questions carefully
- (ii) Write your Name, Roll Number and Class along with Section in the title Block (150X50 mm²) on first sheet (Refer to Below Title Block).
- (iii) Use both sides of the drawing sheet to write your answers.
- (iv) You are allowed to use maximum two sheets and don't leave blank spaces.
- (v) Show all necessary dimensions and text of the solution on your drawing.
- (vi) Double-check your work before submitting.

(vii) PART - A

(All questions are compulsory)

(4X 5 = 20)

Q No	Questions	Marks	Course Outcomes	Blooms Taxonomy Level
Q.1	Write the following sentence in single stroke upper case letter (8 mm height) "failure is simply the opportunity to begin again, this time more intelligently." ~ Henry Ford	5	CO3	L2
Q.2	Construct a plain scale to read kilometer and Hectometer, and scale should be long enough to measure 6 km with RF = 1:32000. Mark the distance 3.6 and 4.1 km on the scale	5	CO1	L1
Q.3	Draw an involute of a square of 20 mm side.	5	CO2	L3
Q.4	Draw an isosceles triangle of 100 mm long base and 110 mm long altitude. Inscribe a parabola in it by method of tangents	5	CO3	L2

PART - B

(Attempt any Four questions out of four)

(4 X 10 = 40)

Q No	Questions	Marks	Course Outcomes	Blooms Taxonomy Level
Q.1	Write "EGD 104" in Double stroke gothic Vertical Lettering (Take 35 mm height)	10	CO4	L3
Q.2	he R.F of scale showing leagues, miles & furlongs are 1/110000. Draw a scale to read upto 4 Leagues and show on it, the length representing 3 leagues 2 miles and 5 furlongs	10	CO1	L1
Q.3	A circle of 25 mm radius rolls on the circumference of another circle of 150 mm diameter and outside it. Draw the locus of the point P on the circumference of the rolling circle for one complete	10	CO2	L2

	revolution of it. Name the curve & draw			
Q.4	Rectangular plane of edges 35 mm and 70 mm is resting on an edge in HP. The surface is inclined to the HP such that the top view appears as a square. Draw its projections when the edge resting on the HP is inclined at 30 degrees to the VP.	10	CO4	L3
Q.5	Pentagonal pyramid of base side 30 mm and axis 60 mm rests on a corner of its base on the HP such that its apex is 55 mm above the ground. A vertical plane containing the corner of the base that lies on the HP and the axis Inclined at 30° to the VP. Draw its projections	10	CO1	L2
Q.6	F.V. & T.V. of a solid are given. Draw the isometric view of block shown in the Fig.1. (All the dimension are in mm)	10	CO1	L6

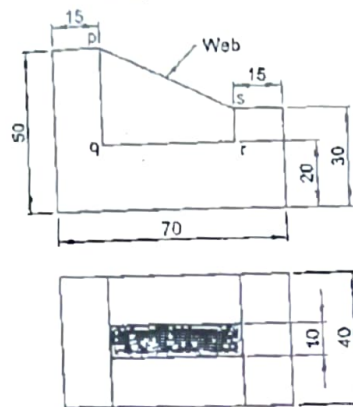


Figure 1

BL – Bloom's Taxonomy Levels

(1- Remembering, 2- Understanding, 3- Applying, 4-Analyzing, 5- Evaluating, 6- Creating)

-----End of Paper-----

Title Block

Name:	Department of CSE, SEST JAMIA HAMDARD UNIVERSITY
Enrolment No:	
Class with Section:	Teacher's Sign: -
Drawing Title: Odd Semester Exam.2023	Marks obtained:
Date of Exam.:	